NIST Center for Neutron Research (NCNR)

Live Report

22-Feb-2004 8:00:40 AM

There are a total of **13** responses for the selected group from 12-Feb-2004 to 20-Feb-2004.

1. Your position

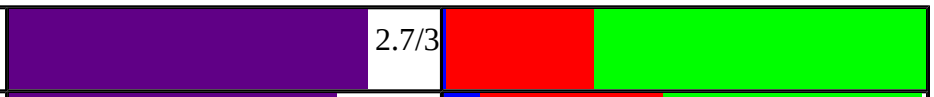
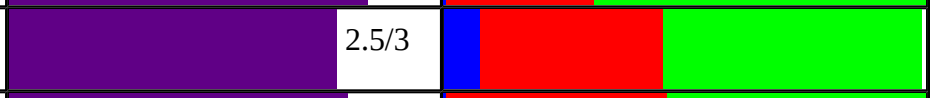
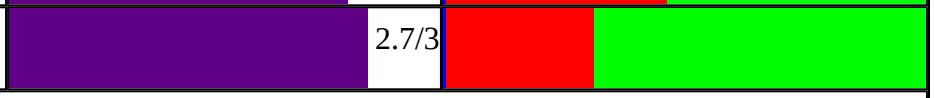
Percent	Count	Answers
0.0%	0/13	Graduate Student
30.8%	4/13	Post-doc
23.1%	3/13	Professor
38.5%	5/13	Staff Scientist
7.7%	1/13	Other
100.0%	**13/13**	**Summary**

2. Your primary instrument (Please use this instrument as the basis for answers to sections 3 and 4)

Percent	Count	Answers
0.0%	0/13	30m SANS, NG3
0.0%	0/13	30m SANS, NG7
0.0%	0/13	8m SANS, NG1
0.0%	0/13	Reflectometer, horizontal sample geometry, NG7
0.0%	0/13	Reflectometer, polarized beam option, vertical geometry, NG1
100.0%	13/13	Disk Chopper Spectrometer, NG4
0.0%	0/13	Backscattering Spectrometer, NG2
0.0%	0/13	Spin-Echo Spectrometer, NG5
0.0%	0/13	Cold Neutron Triple-Axis (SPINS), NG5
0.0%	0/13	USANS, BT5
0.0%	0/13	Powder Diffractometer, BT1

	0.0%	0/13 Residual Stress Diffractometer, BT8
	0.0%	0/13 Filter Analyzer Spectrometer (FANS), BT4
	0.0%	0/13 Triple-Axis Spectrometer with polarized beam option, BT2
	0.0%	0/13 Triple-Axis Spectrometer, BT9
	100.0%	**13/13 Summary**

3. Please rate the proposal process

1) Ease of proposal submission		2.7/3
2) Referee reports and PAC comments		2.5/3
3) Proposal process fairness		2.5/3
4) Scheduling process following approval		2.7/3

Legends:
Poor
Adequate
Excellent
Overall rating based on the scale from 1 to 3

1) Ease of proposal submission

Percent	Count	Answers
0.0%	0/13	Poor
30.8%	4/13	Adequate
69.2%	9/13	Excellent
100.0%	**13/13**	**Summary**
	2.7/3	Overall rating from 1 to 3

2) Referee reports and PAC comments

Percent	Count	Answers
7.7%	1/13	Poor
38.5%	5/13	Adequate
53.8%	7/13	Excellent
100.0%	**13/13**	**Summary**
	2.5/3	Overall rating from 1 to 3

3) Proposal process fairness

Percent	Count	Answers
0.0%	0/13	Poor
46.2%	6/13	Adequate
53.8%	7/13	Excellent
100.0%	**13/13**	**Summary**
2.5/3		Overall rating from 1 to 3

4) Scheduling process following approval

Percent	Count	Answers
0.0%	0/13	Poor
30.8%	4/13	Adequate
69.2%	9/13	Excellent
100.0%	**13/13**	**Summary**
2.7/3		Overall rating from 1 to 3

4. Please rate the effectiveness of the health physics training

1) Relevance of computer based training content	2.1/3
2) Efficiency of computer based training	2.1/3
3) NCNR Health Physics tour	2.4/3
4) Discussion/exam review with health physicist	2.5/3
5) Refresher/Reindoctrination Training	2.2/3

Legends:
Poor
Adequate
Excellent
Overall rating based on the scale from 1 to 3

1) Relevance of computer based training content

Percent	Count	Answers
0.0%	0/13	Poor
92.3%	12/13	Adequate
7.7%	1/13	Excellent

100.0%	13/13	Summary
	2.1/3	Overall rating from 1 to 3

2) Efficiency of computer based training

Percent	Count	Answers
15.4%	2/13	Poor
61.5%	8/13	Adequate
23.1%	3/13	Excellent
100.0%	**13/13**	**Summary**
	2.1/3	Overall rating from 1 to 3

3) NCNR Health Physics tour

Percent	Count	Answers
0.0%	0/13	Poor
61.5%	8/13	Adequate
38.5%	5/13	Excellent
100.0%	**13/13**	**Summary**
	2.4/3	Overall rating from 1 to 3

4) Discussion/exam review with health physicist

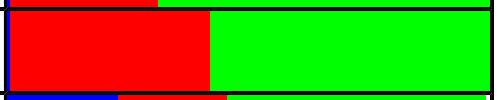
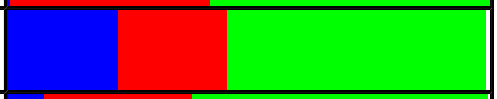
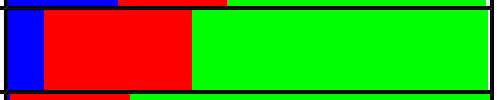
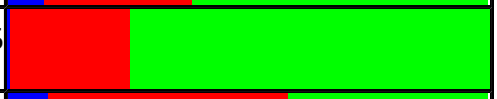
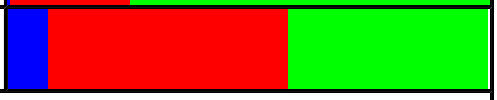
Percent	Count	Answers
0.0%	0/13	Poor
53.8%	7/13	Adequate
46.2%	6/13	Excellent
100.0%	**13/13**	**Summary**
	2.5/3	Overall rating from 1 to 3

5) Refresher/Reindoctrination Training

Percent	Count	Answers
0.0%	0/13	Poor
84.6%	11/13	Adequate
15.4%	2/13	Excellent
100.0%	**13/13**	**Summary**
	2.2/3	Overall rating from 1 to 3

5. Please rate the user support facilities

1) User Laboratory		

facilities	4.1/5	
2) Tools and supplies in support labs	3.8/5	
3) User Offices	3.4/5	
4) NCNR computers for users	3.8/5	
5) Network access for user laptops	4.3/5	
6) Break/snack room facilities	3.2/5	

Legends:
Poor
Adequate
Excellent
Overall rating based on the scale from 1 to 5

1) User Laboratory facilities

Percent	Count	Answers
0.0%	0/13	Poor
30.8%	4/13	Adequate
69.2%	9/13	Excellent
100.0%	**13/13**	**Summary**
4.1/5		Overall rating from 1 to 5

2) Tools and supplies in support labs

Percent	Count	Answers
0.0%	0/12	Poor
41.7%	5/12	Adequate
58.3%	7/12	Excellent
100.0%	**12/12**	**Summary**
3.8/5		Overall rating from 1 to 5

3) User Offices

Percent	Count	Answers
23.1%	3/13	Poor
23.1%	3/13	Adequate
53.8%	7/13	Excellent
100.0%	**13/13**	**Summary**

3.4/5 Overall rating from 1 to 5

4) NCNR computers for users

Percent	Count	Answers
7.7%	1/13	Poor
30.8%	4/13	Adequate
61.5%	8/13	Excellent
100.0%	**13/13**	**Summary**

3.8/5 Overall rating from 1 to 5

5) Network access for user laptops

Percent	Count	Answers
0.0%	0/12	Poor
25.0%	3/12	Adequate
75.0%	9/12	Excellent
100.0%	**12/12**	**Summary**

4.3/5 Overall rating from 1 to 5

6) Break/snack room facilities

Percent	Count	Answers
8.3%	1/12	Poor
50.0%	6/12	Adequate
41.7%	5/12	Excellent
100.0%	**12/12**	**Summary**

3.2/5 Overall rating from 1 to 5

6. Please rate the following aspects of sample environments

1) Availability of different sample environments	3.6/5
2) Quality and reliability of the equipment	3.9/5
3) Support from sample environment personnel	4.3/5

Legends:
Poor
Adequate
Excellent
Overall rating based on the scale from 1 to 5

1) Availability of different sample environments

Percent	Count	Answers
0.0%	0/13	Poor
46.2%	6/13	Adequate
53.8%	7/13	Excellent
100.0%	**13/13**	**Summary**
3.6/5		Overall rating from 1 to 5

2) Quality and reliability of the equipment

Percent	Count	Answers
15.4%	2/13	Poor
15.4%	2/13	Adequate
69.2%	9/13	Excellent
100.0%	**13/13**	**Summary**
3.9/5		Overall rating from 1 to 5

3) Support from sample environment personnel

Percent	Count	Answers
0.0%	0/13	Poor
23.1%	3/13	Adequate
76.9%	10/13	Excellent
100.0%	**13/13**	**Summary**
4.3/5		Overall rating from 1 to 5

7. What other sample environments would you research benefit from

- Pressure cell for liquids
- Reliable thermometry of sample.

8. Please rate your primary NCNR instrument

1) Hardware reliability and performance	4.5/5
2) Data acquisition software	4.3/5
3) Support from	

NCNR staff	5.0/5	

Legends:
Poor
Adequate
Excellent
Overall rating based on the scale from 1 to 5

1) Hardware reliability and performance

Percent	Count	Answers
0.0%	0/13	Poor
15.4%	2/13	Adequate
84.6%	11/13	Excellent
100.0%	**13/13**	**Summary**
4.5/5		Overall rating from 1 to 5

2) Data acquisition software

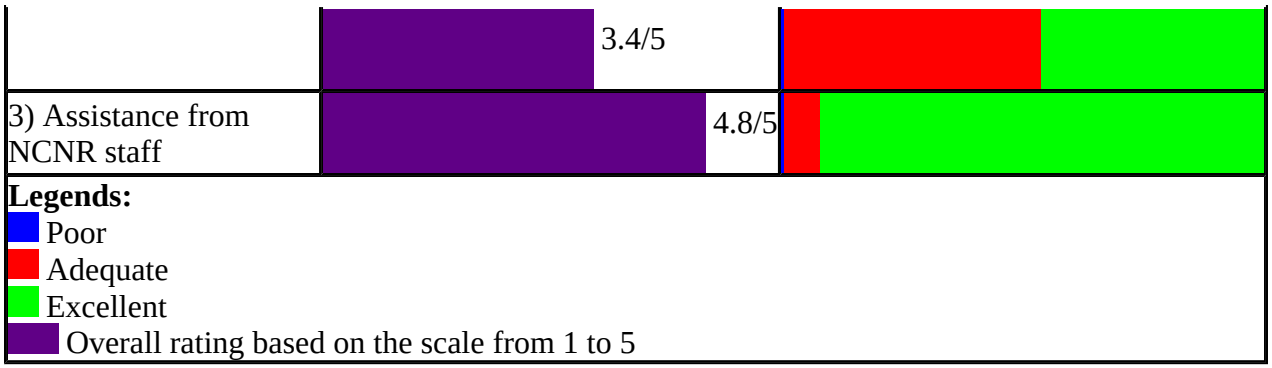
Percent	Count	Answers
0.0%	0/13	Poor
23.1%	3/13	Adequate
76.9%	10/13	Excellent
100.0%	**13/13**	**Summary**
4.3/5		Overall rating from 1 to 5

3) Support from NCNR staff

Percent	Count	Answers
0.0%	0/13	Poor
0.0%	0/13	Adequate
100.0%	13/13	Excellent
100.0%	**13/13**	**Summary**
5.0/5		Overall rating from 1 to 5

9. Please rate data analysis and visualization software at the NCNR

1) Quality of software	4.1/5	
2) Range of capabilities		



1) Quality of software

Percent	Count	Answers
0.0%	0/13	Poor
30.8%	4/13	Adequate
69.2%	9/13	Excellent
100.0%	**13/13**	**Summary**
4.1/5		Overall rating from 1 to 5

2) Range of capabilities

Percent	Count	Answers
0.0%	0/13	Poor
53.8%	7/13	Adequate
46.2%	6/13	Excellent
100.0%	**13/13**	**Summary**
3.4/5		Overall rating from 1 to 5

3) Assistance from NCNR staff

Percent	Count	Answers
0.0%	0/13	Poor
7.7%	1/13	Adequate
92.3%	12/13	Excellent
100.0%	**13/13**	**Summary**
4.8/5		Overall rating from 1 to 5

10. What other data analysis tools would your research benefit from

- Use of stretched exponential functions. More friendly version for user defined fit functions. Fit functions that I'm usually using do not produce stable fit results.

- More raw data comparing utilities

11. Please rate to what extent these forms of remote access (would) benefit your research program

1) Remote viewing of instrument status and data	2.2/3	
2) Remote control of instrument	1.8/3	
3) Mail in samples for simple, well defined measurements	1.8/3	

Legends:
Not for me
Useful
Essential
Overall rating based on the scale from 1 to 3

1) Remote viewing of instrument status and data

Percent	Count	Answers
7.7%	1/13	Not for me
61.5%	8/13	Useful
30.8%	4/13	Essential
100.0%	**13/13**	**Summary**
2.2/3		Overall rating from 1 to 3

2) Remote control of instrument

Percent	Count	Answers
30.8%	4/13	Not for me
53.8%	7/13	Useful
15.4%	2/13	Essential
100.0%	**13/13**	**Summary**
1.8/3		Overall rating from 1 to 3

3) Mail in samples for simple, well defined measurements

Percent	Count	Answers
23.1%	3/13	Not for me
76.9%	10/13	Useful
0.0%	0/13	Essential
100.0%	**13/13**	**Summary**

1.8/3 Overall rating from 1 to 3

12. **Please list any neutron instruments not currently at the NCNR that would benefit your research program or the community in general.**

- I have been really impressed with the new neutron control software at ORNL - perhaps NIST should consider a similar interface.

13. **Are there any other comments or suggestions about the NCNR that you would like to add?**

- NCNR became real external user-friendly facility. However, I guess, the user community will broaden even more if NCNR will provide travel support for users (the way it works, for example, at ILL or ESRF in Grenoble). NCNR supports (with a limited amount) first time users only. When I'm coming with 2-3 students for ~7-10 days to Gaithersburg, it requires large travel money. The system like the one existing in Grenoble will remove this concern and will broaden user community that at the end will result in more effective use of NCNR.
- The NCNR has the best user program of all the neutron sources that I have done experiemnts at. The quality an reliability of the instruments is amazing, as is the publication record coming out of the NIST community.